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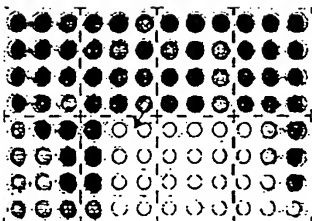
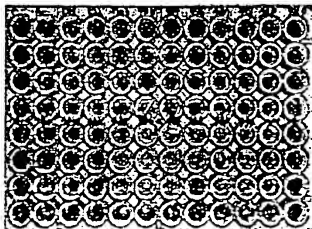
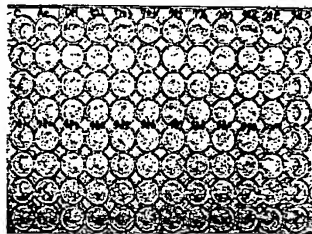
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(54) Title: METHOD FOR HIGH THROUGHPUT SCREENING OF PLANT GROWTH REGULATOR



(57) Abstract: The present invention relates to a method for high throughput screening of plant growth regulator, more particularly to the method comprising; 1) culturing phytomixotrophic cells and candidates of plant growth regulator which were added in a microwell plate, 2) treating 2,3,5-triphenyltetrazolium chloride thereto, 3) reacting thereof by adding ethanol after removing solutions from microwells, 4) transferring the reacting solution into the new microwell plate, and 5) measuring optical density with a high throughput screening reader. Since the method of the present invention can rapidly and conveniently screen many samples and can also evaluate *in vivo* activities of plant growth regulators, it can effectively be used as a screening method for plant growth inhibitors and activators.

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